

English Language Arts

Students will:

- Carry out assigned roles in self-run small-group discussions
- Give oral presentations about experiences or interests using proper eye contact, pace, volume, and clear pronunciation
- Identify common prefixes, word roots, idioms, and figurative phrases
- Use a dictionary or thesaurus appropriately
- Recognize subject-predicate and three basic parts of speech (adjective, noun, verb)
- Identify correct mechanics (punctuation, capitalization), usage, and sentence structure
- Read aloud grade-appropriate text with comprehension and expression
- Identify foreshadowing, sensory details, setting, character, and plot and support them with evidence from the text
- Use correct spelling of high-frequency words
- Form questions about a text and locate facts that answer the reader's questions
- Distinguish cause from effect and fact from fiction
- Identify main ideas and supporting details in a text
- Relate themes in works of fiction and non-fiction to personal experience
- Identify differences between poetry, prose, non-fiction, fiction, and drama
- Identify themes as lessons in stories, fables, and poems for children
- Identify personality traits of characters and thoughts, words, and actions that reveal their personalities
- Identify and use paragraphs, glossary, captions, table of contents, charts, and maps
- Identify a poem's rhyme, rhythm, repetition, sensory images, stanza, verse, and meaning
- Identify natural events explained in origin myths and understand significant characters in Greek, Roman, and Norse mythology
- Rehearse and perform stories, plays, and poems for an audience using eye contact, volume, and clear speech

Social Studies

Trimester One

- Use cardinal directions, map scales, legends, and titles to locate places on contemporary maps of New England, Massachusetts and the local community
- Identify and understand the way of life of the Pilgrims and Wampanoags
- Identify the challenges facing the Pilgrims in settling America
- Compare and contrast Puritans and Pilgrims
- Identify the characteristics of the Massachusetts Bay Colony
- Explain why communities need governments and define and give examples of barter

Trimester Two

- Identify political, economic, and military developments of the American Revolution
- Understand the purpose of taxes and identify different kinds of taxes

Trimester Three

- Read a biography of a person from Massachusetts and explain the person's life achievements
- Identify characteristics of Shrewsbury's history
- Identify historic buildings, monuments or sites in Shrewsbury and explain their purpose and significance
- Give examples of tax-supported facilities and services provided by their local government

Mathematics

Trimester One

- Select the appropriate operations (addition, subtraction, multiplication, and division)
- Demonstrate in the classroom an understanding of and the ability to use the conventional algorithms for addition and subtraction (up to four-digit numbers)
- Determine which symbol ($<$, $>$, or $=$) is appropriate for a given mathematical sentence, e.g. $7 \times 8 \underline{\hspace{1cm}} 49 + 6$
- Determine values in simple equations ($106 - m = 37$; $5 = p + 3$) (up to 1,000)
- Construct, draw conclusions, and make predictions from various representations of data sets, including tables, bar graphs, pictographs, line plots, and tallies.

Trimester Two

- Know multiplication facts through 10×10 and related division facts. Use these facts to solve related multiplication problems.
- Demonstrate the understanding of and the ability to use the conventional algorithms for multiplication (up to two digits by one digit).
- Create, describe, extend and explain visual and numeric patterns, including multiplication patterns up to 100 (e.g. 5, 10, 20, 40)
- Carry out simple unit conversions within a system of measurement, e.g.. cents to dollars and hours to minutes.
- Identify time to the minute on analog and digital clocks using a.m. and p.m. Compute elapsed time less than one hour using a clock and a calendar.
- List and count the number of possible combinations of objects from two sets.

Trimester Three

- Demonstrate the understanding of fractions as parts of wholes, parts of a group and on a number line.
- Select, use, and explain the commutative, associative and identity properties.
- Determine which symbol ($<$, $>$, or $=$) is appropriate for a given equation.
- Demonstrate an understanding of length, area, weight and volume
- Estimate and find area and perimeter of a rectangle.

Science and Technology

Students will understand:

- How the properties of water in each of its three states (ice, liquid water, water vapor) affect the water cycle
- How heat from the sun affects the water cycle
- How the structure of a tree (a living thing) enables it to survive in its environment
- How plants use the sun's energy to produce sugars (photosynthesis)
- That trees go through predictable life cycles
- That a life cycle of a monarch (metamorphosis) differs from life cycles of other animals.
- That sound is produced by vibrating objects and requires a medium through which to travel
- The relationship between the rate of vibration and the pitch of the sound